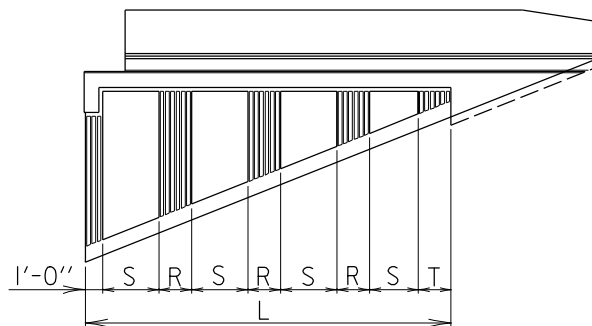


For wing walls
 $S \approx \frac{4}{3}T \approx 2R$



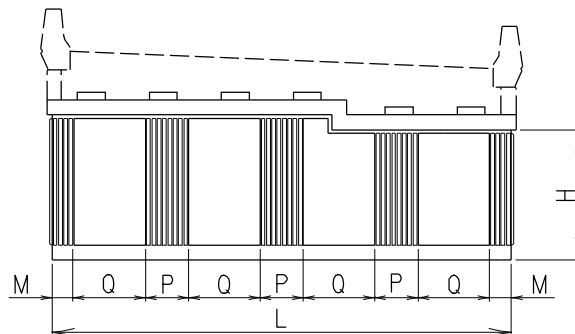
$S = 1/N (L - I' - 0'' - T - (N - 1)R)$
 N=Number of Plain Panels
 R=Intermediate Striated Panel Dimension
 T=End Striated Panel Dimension
 S=Plain Panel Length
 L=Adjusted Length of Abutment Face (See M(6.12)-86-182)

ABUTMENT

WING WALL

Scale:None

For abutments/piers
 $Q \approx 2P \approx 4M$

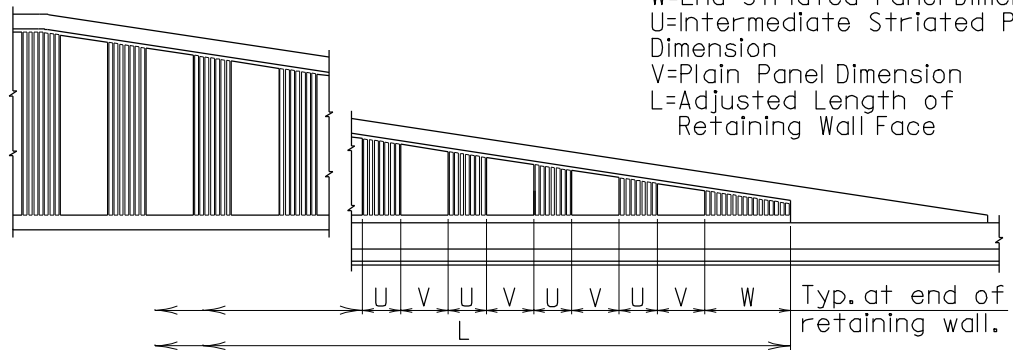


$Q = 1/N (L - 2M - (N - 1)P)$
 N=Number of Plain Panels
 M=End Striated Panel Dimension
 P=Intermediate Striated Panel Dimension
 Q=Plain Panel Dimension
 L=Adjusted Length of Abutment Face (See M(6.12)-86-182)

ABUTMENT/PIER

Scale:None

For retaining walls
 $W \approx \frac{5}{4}V \approx \frac{5}{3}U$



$V = 1/N (L - 2W - (N - 1)U)$
 N=Number of Plain Panels
 W=End Striated Panel Dimension
 U=Intermediate Striated Panel Dimension
 V=Plain Panel Dimension
 L=Adjusted Length of Retaining Wall Face

RETAINING WALL

Scale:None

FOR OFFICE USE ONLY

APPROVAL	
<i>E. S. Friedman</i> DIRECTOR OFFICE OF BRIDGE DEVELOPMENT	
DATE: 12/24/86	
REVISIONS	
SHA	FHWA
12-21-87	.
10-22-03	.
FHWA APPROVAL	.
DATE:	.

STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF BRIDGE DEVELOPMENT

TRAPEZOIDAL STRIATION DETAILS FOR
 BRIDGE SUBSTRUCTURE UNITS
 AND RETAINING WALLS

STANDARD NO. M(6.13)-86-183

SHEET 1 OF 1

MISCELLANEOUS